Tuesday, 1/3/2006 4:20:25 PM

User:

Kim Johnston

**Process Sheet** 

Customer

: CU-DAR001 Dart Helicopters Services

**Job Number Estimate Number**  : 25378

: 11062

P.O. Number

: N/A

: 1/3/2006 This Issue

Prsht Rev.

: N/A First Issue : N/A **Previous Run** 

S.O. No. : N/A

: MACHINED PARTS Type

**Part Number Drawing Number** 

**Drawing Name** 

: D2934 : D2934 REV A

: SADDLE SPACER

Project Number

: N/A

**Drawing Revision** Material

:NIA

**Due Date** 

: 1/28/2006

Qty:

40 Um: Each

Written By

Checked & Approved By Comment

: Est A 00.06.06 New Issue EC

**Additional Product** 

Job Number:



Seq. #:

Machine Or Operation:

Description:

M5052H32S080 1.0

5052-H32 .080 Sheet



0.0663 sf(s)/Unit Total: 2.6502 sf(s)

Material: 5052-H32/H34 (QQ-A-250/8) 0.080" Thick

SHEAR



2.0

SHEAR

Comment: SHEAR

1 blank makes 4 parts Blank: 7.90" x 4.60" (+0.030" - 0.000")

3.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

Machine per folio FA072

Deburr any rough edges after tumbling SAD - 66: 32:06



4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE



40

06.02.041

| Dart | Aeros | pace | Ltd |
|------|-------|------|-----|
|------|-------|------|-----|

| W/O:      | •    |                                       | WC                   | RK ORDER CHANG               | SES     |           |            |                                     |                          |
|-----------|------|---------------------------------------|----------------------|------------------------------|---------|-----------|------------|-------------------------------------|--------------------------|
| DATE STEP |      | PR                                    | OCEDURE CHA          | NGE                          | Ву      | Date      | Qty        | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|           |      |                                       |                      | ,                            |         |           |            |                                     |                          |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |
| Part No   | :    | PAR #:                                | Fault Cate           | jory:                        | NCR: Y  | es (No) [ | DQA:       | Date:                               | b/03/21                  |
|           |      |                                       |                      |                              |         |           |            | Date: _                             |                          |
| NCR:      | ,    |                                       | WORK ORD             | R NON-CONFORM                | ANCE (N | CR)       |            |                                     |                          |
| DATE      | CTED | Description of NC                     |                      |                              | tion B  | Ver       | rification | Annrovai                            | i Approval               |
| DAIE      | STEP | Section A                             | Initial<br>Chief Eng | Action Description Chief Eng |         |           | ection C   |                                     | QC Inspector             |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |
|           |      | · · · · · · · · · · · · · · · · · · · |                      |                              |         |           |            |                                     |                          |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |
| <u> </u>  |      |                                       |                      |                              |         |           |            |                                     |                          |
|           |      |                                       |                      |                              |         |           |            |                                     |                          |

NOTE: Date & initial all entries

Date: Tuesday, 1/3/2006 4:20:26 PM Kim Johnston User: **Process Sheet** Drawing Name: SADDLE SPACER Customer: CU-DAR001 Dart Helicopters Services Part Number: D2934 Job Number: 25378 Job Number: Description: Seq. #: **Machine Or Operation:** SECOND CHECK 5.0 QC8 Comment: SECOND CHECK HAND FINISHING RESOURCE #1 HAND FINISHING1 6.0 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 INSPECT POWDER COAT/CHEMICAL CONVERSION 7.0 QC3 /04/3/00 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 8.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock

Location:\_

9.0

Comment: DOCUMENT CONTROL Inspection Level 21

Job Completion



40)

| Dart Aerospa | ace Ltd |
|--------------|---------|
|--------------|---------|

| W/O:    |      | WORK ORDER CH          | ANGES    |           |     |                                     |                          |
|---------|------|------------------------|----------|-----------|-----|-------------------------------------|--------------------------|
| DATE    | STEP | PROCEDURE CHANGE       | Ву       | Date      | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|         |      |                        |          |           |     |                                     |                          |
|         |      |                        |          |           |     |                                     |                          |
| ·       |      |                        |          |           |     |                                     |                          |
|         |      |                        |          |           |     |                                     |                          |
|         |      |                        |          |           |     |                                     |                          |
| Part No |      | PAR #: Fault Category: | NCR: Yes | No DQ     | A:  | _ Date: _                           |                          |
|         | •    |                        | QA:      | N/C Close | d:  | _ Date: _                           |                          |

| NCR: WORK ORDER NON-CONFORMANCE (NCR) |      |                   |                      |                              |                |                        |                       |                          |
|---------------------------------------|------|-------------------|----------------------|------------------------------|----------------|------------------------|-----------------------|--------------------------|
|                                       |      | Description of NC |                      | Corrective Action Section B  |                |                        | <b>A</b> 1            |                          |
| DATE                                  | STEP | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | Sign &<br>Date | Verification Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|                                       |      |                   |                      |                              |                |                        |                       |                          |
|                                       |      |                   |                      |                              |                |                        |                       |                          |
|                                       |      |                   |                      |                              |                |                        |                       |                          |
|                                       |      |                   |                      |                              |                |                        |                       |                          |
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|                                       |      |                   |                      |                              |                |                        |                       |                          |
|                                       |      |                   |                      |                              |                | ·                      |                       |                          |

NOTE: Date & initial all entries

Description: Saddle Spacer

Description Dwg: D2934

Rev: A

Work Order: 25378

Part Number: D2934

Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

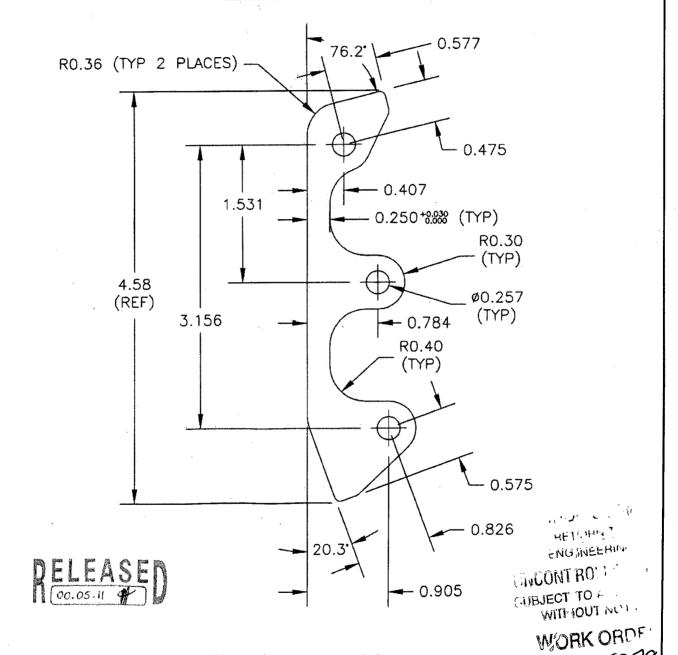
| Drawing<br>Dimension | Tolerance     | Actual<br>Dimension | Accept | Reject | Method of<br>Inspection | Comments |
|----------------------|---------------|---------------------|--------|--------|-------------------------|----------|
| 0.475                | +/-0.010      | -474                |        |        |                         |          |
| 0.407                | +/-0.010      | .408                |        |        |                         |          |
| 0.250                | +0.030/-0.000 | .269                |        |        |                         |          |
| R0.30                | +/-0.030      | -300                |        |        |                         |          |
| Ø0.257               | +0.005/-0.000 | .259                |        |        |                         |          |
| 0.784                | +/-0.010      | .784                |        |        |                         |          |
| 0.826                | +/-0.010      | . 825               | /      |        |                         |          |
| R0.36                | +/-0.030      | .360                |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
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|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
| ·                    |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |

| Measured by:   | Audited by:    | Prototype Approval: | N/A |
|----------------|----------------|---------------------|-----|
| Date: 06-02-04 | Date: 66/07/64 | Date:               | N/A |

| Rev | Date     | Change    | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| Α   | 04.08.12 | New Issue | KJ/JLM     |          |



| DESIGN<br>RF | DRAWN BY<br>RF | DART AEROSPACE<br>BELLEVUE, WA | USA, INC.    |
|--------------|----------------|--------------------------------|--------------|
| CHECKED      | APPROVED       | DRAWING NO.                    | REV. A       |
| 4            | #              | D2934                          | SHEET 1 OF 1 |
| DATE         |                | TITLE                          | SCALE        |
| 99.11.02     |                | SADDLE SPACER                  | 1:1          |
| A            | 99.11.02       | NEW ISSUE                      |              |



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.080 THICK FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

BREAK ALL SHARP EDGES 0.010 TO 0.020